

Note: Luminaire can be ordered with or without diffusing shield. Order each separately.  
Can be mounted vertically or horizontally.

#### Fixture Ordering Information

Catalog No.	Finish	Wattage	Voltage	Lamping
48022ALU	Powder Coated	21W	120/277V	T-5 Miniature Bi-Pin Fluorescent
48022ALU39U	Metallic Aluminum	39W HO	120/277V	T-5 Miniature Bi-Pin Fluorescent

#### Diffuser Ordering Information

Catalog No.	Description	Dimensions
40875	Translucent Etched Soda Lime Glass w/ Pencil Polished Edges	31.25" L x 6.5" W x 5 mm Thick
40915	Extruded Opal Virgin Acrylic w/ Pencil Polished Edges	31.25" L x 6.5" W x 5 mm Thick

#### Features

- Housing:** Extruded and die-cast aluminum ballast and lamp chamber.
- Optional Diffuser/Reflector:** Curved etched glass or extruded opal virgin acrylic.
- Optics:** Internal white acrylic diffuser covers slit on front cover.
- J-Box Covers:** Die-cast split covers to enclose 4" octagonal J-Box (J-Box by others).

#### Mounting

Mounts directly to switch box or 4" octagonal J-Box. Octagonal box mounting requires use of "J-Box Covers" and "Support Plate" supplied standard.

#### Electrical

##### Ballast

(Electronic 120/277V)	21 W	39W HO
Total Input Watts:	25W	39W
Max. Line Current:	120V = 0.21 277V = 0.10	120V = 0.34 277V = 0.15
Power Factor:	120V = 0.98 277V = 0.95	120V = 0.98 0.98 = (120V/277V)
Ballast Factor:	1.03	0.90
THD:	120V = <10% 277V = <15%	120V = <10% 277V = <10%
Starting Temp:	0°F / -18°C	0°F / -18°C

#### Finish

All painted parts utilized the powder coat process. Lightolier Metallic Aluminum Powder Coat Enamel.

#### Labels

cULus Listed. Suitable for Damp Locations.

#### Job Information

Type:

Job Name:

Cat. No.:

Lamp(s):

Notes:

Lightolier a Genlyte company

www.lightolier.com

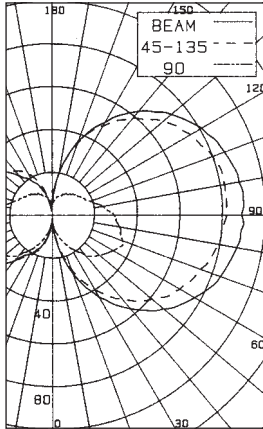
631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710

We reserve the right to change details of design, materials and finish.

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**LIGHTOLIER®**

CERTIFIED TEST REPORT NO. 2219FR  
 COMPUTED BY LSI PROGRAM \*\*TEST-LITE\*\*  
 LIGHTOLIER ARCHITECTURAL DECORATIVE LUMINAIRE SOLI  
 CAT. NO. 48022ALU / 40875, ETCHED GLASS SHIELD  
 1-21W PHILIPS T-5 LAMP. LUMEN RATING = 1900 LMS.  
 UNIVERSAL BALLAST #B228PUNVC



ZONE DEG.	CANDLEPOWER				
	90	67.5	45	22.5	90
CANDELAS					
0	2	2	2	2	2
5	4	3	4	5	5
15	9	10	19	22	21
25	15	22	34	38	37
35	21	31	46	50	51
45	27	40	57	60	63
55	31	47	66	69	73
65	35	53	72	76	81
75	33	58	77	80	86
85	30	63	80	83	89
95	26	65	82	84	90
115	17	65	72	79	84
125	15	60	63	73	77
135	14	53	54	65	68
145	12	44	43	57	57
155	10	35	29	45	44
165	9	22	21	31	29
175	6	10	12	13	13
180	5	5	5	5	5

Prepared For:  
 Lightolier  
 Fall River, MA  
 Date: May 6, 2003

Tested according to IES procedures.  
 Test distance exceeds five times the greatest luminous opening of luminaire.

## COEFFICIENTS OF UTILIZATION % EFFECTIVE CEILING CAVITY REFLECTANCE

	80			70			50			30			10			0
	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
% WALL REFLECTION																
0	31	31	31	28	28	28	24	24	24	20	20	20	16	16	16	14
1	24	23	21	22	21	19	18	17	16	15	14	13	12	11	10	9
2	20	18	16	19	17	15	15	14	12	12	11	10	9	8	7	6
3	17	15	13	16	14	12	13	11	10	10	9	8	8	7	6	4
4	15	12	10	14	11	9	11	9	8	9	7	6	7	5	4	3
5	13	11	8	12	10	8	10	8	6	8	6	5	6	5	4	3
6	12	9	7	11	8	7	9	7	5	7	5	4	5	4	3	2
7	10	8	6	10	7	6	8	6	5	6	5	4	5	3	3	2
8	9	7	5	9	6	5	7	5	4	6	4	3	4	3	2	1
9	9	6	5	8	6	4	6	5	3	5	4	3	4	3	2	1
10	8	5	4	7	5	4	6	4	3	5	3	2	4	2	2	1

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES  
 20% FLOOR CAVITY REFLECTANCE

Multiply Calculated footcandles by 1.6 for 39W HO Lamp.

Zone	DISTRIBUTION		
	Lumens	% Lamp	% Luminaire
0-30	15	.82	2.87
0-40	35	1.87	6.56
0-60	106	5.59	19.61
0-90	267	14.07	49.31
40-90	231	12.20	42.75
60-90	161	8.47	29.70
90-180	274	14.46	50.69
0-180	542	28.53	100.00

\*\* EFFICIENCY = 28.5% \*\*

Job Information

Type:

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